

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) In an electronic device ~~running a software tool that generates output descriptions in response to input descriptions, a method for tracing output descriptions generated from corresponding input descriptions, wherein the electronic device includes a display, the method comprising:~~

identifying a first cross-reference associated with a segment in an input description;

~~searching a plurality of cross-references in an output description to identifying an output description that corresponds with the input description, the output description being associated with a second cross-reference that matches the first cross-reference, the second cross-reference being associated with a segment in the output description that corresponds to the segment in the input description; and~~

displaying the segment in the input description and the segment in the output description together on the display.

2. (Currently Amended) The method of claim 1 wherein the input description and the output descriptions include code descriptions expressed in programming languages.

3. (Canceled)

4. (Previously Presented) The method of claim 1 wherein the input description and the output description are expressed in different programming languages.

5. (Previously Presented) The method of claim 1 wherein the input description and the output description are displayed in separate panes of a same window.

6. (Previously Presented) The method of claim 1 wherein the input description and the output description are displayed in separate windows.

7. (Previously Presented) The method of claim 1 further comprising

providing a first scrolling tool for scrolling the input description; and

providing a second scrolling tool for scrolling the output description.

8. (Currently Amended) The method of claim 7 wherein the first and second scrolling tools includes scrolling bars.

9. (Currently Amended) The method of claim ~~7~~8 wherein in response to controlling one of the first scrolling bar or the second scrolling bar, the other scrolling bar is automatically controlled in proportion to a controlled amount in said one of the first scrolling bar and the second scrolling bar.

10. (Currently Amended) The method of claim ~~4~~7 further comprising, in response to scrolling one of the input description or the output description, displaying corresponding input description and output description adjacent to the scrolled description on the display.

11. (Currently Amended) In an electronic device ~~running a software tool that generates output descriptions in response to input descriptions, a method for tracing an output description generated from a corresponding input description, wherein the electronic device includes a display, the method comprising:~~

~~displaying the input~~ a first description ~~and the output~~ a second description together on a display;

~~displaying a first cursor in a first element of~~ in the first description ~~one of the input description or the output description;~~

identifying a first cross-reference associated with the first element;

~~searching a plurality of cross-references in the second description to~~ identifying a second cross-reference that matches the first cross-reference, the second cross-reference being associated with a second element of ~~in the other~~ second description that corresponds ~~with~~ to the first element, ~~the second element being associated with a second cross-reference that matches the first cross-reference; and~~

displaying a second cursor in athe second element.

12. (Previously Presented) The method of claim 11 wherein the first cursor and the second cursor are presented in a start position of the input description and the output description.

13. (Previously Presented) The method of claim 11 wherein the first cursor and the second cursor are presented on a same line on the display.

14. (Previously Presented) The method of claim 11 wherein the first and second cursors are presented in a middle of the input description and the output description.

15. (Canceled)

16. (Previously Presented) The method of claim 11 wherein the cross-references include reference numbers to the input description and the output description.

17. (Canceled)

18. (Previously Presented) The method of claim 11 wherein the cross-references are attached to the input description and the output description using the XML (Extensible Markup Language) programming language.

19. (Canceled)

20. (Currently Amended) In an electronic device running a software tool ~~that generates output descriptions in response to input descriptions, a method for tracing an output description generated from a corresponding input description, wherein the electronic device includes a display, the method comprising:~~

~~displaying the input~~ a first description and ~~the output~~ a second description together on the display;

~~selecting a first segment in the first description one of the input description and the output description; and~~

in response to selecting a the first segment in the one of the input description or the output first description, selecting a second segment in the other the second description automatically, the second segment corresponding to the first segment, the correspondence indicating that the second segment is a translation of the first segment; and

connecting a portion in the first segment and a corresponding portion in the second segment through a connection line to indicate that the connected portions in the first and second segments correspond to each other, the portion in the first segment being a subset of the first segment, the portion in the second segment being a subset of the second segment and the correspondence indicating that the portion in the first segment is a translation of the portion in the second segment.

21. (Previously Presented) The method of claim 20 wherein the first segment or the second segment is highlighted.

22. (Previously Presented) The method of claim 20 wherein a background of the first segment or the second segment is colored.

23. (Original) The method of claim 20 wherein the first segment includes a plurality of lines.

24. (Original) The method of claim 23 wherein the plurality of lines is highlighted in different colors and corresponding lines in the second segment are highlighted in same colors as the first segment.

25. (Canceled)

26. (Previously Presented) The method of claim 20 wherein the input description in the first segment and the corresponding output description in the second segment make cross-references to each other.

27. (Previously Presented) The method of claim 26 wherein the first segment includes a part of a line in the input description and the part of the line in the first segment makes a different reference to a corresponding part of a line in the second segment.

28. (Previously Presented) The method of claim 23 wherein the first segment includes a plurality of lines and each of the plurality of lines in the first segment makes a different reference to corresponding lines in the second segment.

29. (Original) The method of claim 26 wherein multiple references are made to a common line in the second segment, the common line being shared by more than one line in the second segment.

30. (Previously Presented) The method of claim 26 wherein the first cross-reference is attached to the input description and the second cross-reference is attached to the output description using the XML (Extensible Markup Language) programming language.

31. (Currently Amended) A system for ~~translating~~ displaying input code to and output code corresponding to the input code, the system comprising:

~~a display; and~~

a processor configured to:

identify a first cross-reference associated with a segment in the input code, and

search a plurality of cross-references in the output code to identify output code that corresponds to the input code, the output code being associated with a second cross-reference that matches the first cross-reference, the second cross-reference being associated with a segment in the output code that corresponds to the segment in the input code; and

a display for showing the segment in the input code and the segment in the output code together on the display.

32. (Previously Presented) The system of claim 31 wherein the processor is further configured to:

generate an input code markup file and an output code markup file, the input code markup file containing the first cross-reference associated with the input code and the output code markup file containing the second cross-reference associated with the output code.

33. (Canceled)

34. (Previously Presented) The system of claim 31 wherein the cross-references include line references to a line of the input code and a corresponding line of the output code.

35. (Previously Presented) The system of claim 31 wherein the cross-references include line references to a line of the output code and a corresponding line of the input code.

36. (Previously Presented) The system of claim 31 wherein the cross-references include references to an element of the input code and a corresponding output code element.

37. (Previously Presented) The system of claim 31 wherein the cross-references include references to an element of the output code and a corresponding input code element.

38. (Previously Presented) The system of claim 31 wherein the processor is further configured to:

provide a graphical user interface element in which the input code and the output code are displayed together.

39. (Previously Presented) The system of claim 31 wherein the processor is further configured to:

display the input code and the output code in separate windows.

40. (Original) The system of claim 31 wherein the input code and the output code are described in a textual format.

41. (Currently Amended) A computer-readable storage medium comprising computer-executable instructions executable in a computer system, the instructions including one or more instructions for:

~~instructions for identifying a first cross-reference associated with a segment in an input~~
description;

~~instructions for searching a plurality of cross-references in an output description to~~
~~identifying an output description that corresponds with the input description, the output~~
~~description being associated with a second cross-reference that matches the first cross-reference,~~
~~the second cross-reference being associated with a segment in the output description that~~
~~corresponds to the segment in the input description; and~~

~~instructions for displaying the segment in the input description on one side of the display~~
~~and the segment in the output description on the other side of the display[[:]].~~

42. (Currently Amended) The medium of claim 41 further comprising one or more instructions
for:

~~instructions for providing a first scrolling bar for scrolling the input description; and~~

~~instructions for providing a second scrolling bar for scrolling the output description.~~

43. (Currently Amended) The medium of claim 42 wherein in response to controlling one of the
first scrolling bar or the second scrolling bar, the other scrolling bar is automatically controlled
in proportion to an controlled amount in said one of the first scrolling bar and the second
scrolling bar.

44. (Currently Amended) A computer-readable storage medium comprising computer-
executable instructions executable in a computer system, the instructions including one or more
instructions for:

~~instructions for displaying a first cursor in a first element in an input description;~~

~~instructions for identifying a first cross-reference associated with the input description~~
first element where the first cursor is displayed;

~~instructions for searching a plurality of cross-references in the output description to identifying an output description that corresponds with the input description, the output description being associated with a second cross-reference that matches the first cross-reference, the second cross-reference being associated with a second element in the output description that corresponds to the first element;~~

~~instructions for displaying a second cursor automatically in the second element in the output description; and~~

~~instructions for displaying the first element in the input description on one side of the display and the second element in the output description on the other side of the display[;].~~

45. (Previously Presented) The medium of claim 44 wherein the input description and the output description which the first cursor and the second cursor are presented to, respectively, make cross-references to each other.

46. (Currently Amended) The medium of claim 45 wherein the cross-references includes reference numbers to the input description and the output description.

47. (Currently Amended) A computer-readable storage medium comprising computer-executable instructions executable in a computer system, the instructions including one or more instructions for:

~~instructions for displaying an input description on one side of a display and an output description on the other side of the display;~~

~~instructions for marking a first segment in the input description[];~~

~~instructions for, in response to marking the first segment in the input description, marking a second segment in the output description automatically, the second segment corresponding to the first segment, the correspondence indicating that the second segment is a translation of the first segment; and~~

~~instructions for connecting a portion in the first segment and a corresponding portion in the second segment through a connection line to indicate that the connected portions in the first and second segments are corresponding~~ correspond to each other, the portion in the first segment being a subset of the first segment, the portion in the second segment being a subset of the second segment and the correspondence indicating that the portion in the first segment is a translation of the portion in the second segment.

48. (Previously Presented) The medium of claim 47 wherein the input description in the first segment and the corresponding output description in the second segment make cross-references to each other.

49. (Currently Amended) The medium of claim 48 wherein the first segment includes a plurality of lines and each of the plurality of lines in the first segment makes a different reference to corresponding lines in the second segment.

50. (Previously Presented) The method of claim 1, wherein the first cross-reference and the second cross-reference are coded in the Extensible Markup Language (XML) programming language.

51. (Previously Presented) The medium of claim 41, wherein the first cross-reference and the second cross-reference are coded in the Extensible Markup Language (XML) programming language.

52. (New) The method of claim 1, wherein the first cross-reference is in the input description.

53. (New) The method of claim 11, wherein the first description is generated from the second description.

54. (New) The method of claim 11, wherein the second description is generated from the first description.